

# Purchase Order Receipt Listing

Page 1 of 1

Wednesday, July 25, 2012 -8:02:20 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO17464 Receipt Dates from 7/25/2012 to 7/25/2012 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
<b>VendorID\Vendor Name</b>		<b>VC-MET001</b>	<b>Metaux Castle</b>								
PO17464	1		M304R0.375	f	7/27/2012	7/25/2012	24.0000	\$1.36	0.0000	0	\$32.74
CAD	No		304 ROUND BAR 0.375 122504	f	24.0000	DESJ02		\$32.74	0.0000	0	
	2		M304R1.000	f	7/27/2012	7/25/2012	12.0000	\$7.58	0.0000	0	\$90.91
	No		304 round bar 1.00 122504	f	12.0000	DESJ02		\$90.91	0.0000	0	
	3		M303R0.750	f	7/27/2012	7/25/2012	108.7500	\$4.18	0.0000	0	\$454.61
	No		303 Round Bar 0.750 122504	f	108.0000	DESJ02		\$454.61	0.0000	0	
	5		D6101-005P	Each	7/27/2012	7/25/2012	30.0000	\$56.87	0.0000	0	\$1,705.99
	No		7075-T7351 8.25X5.0X2.5 122504	Each	60.0000	DESJ02		\$1,705.99	0.0000	0	
										<b>Total Received Quantity:</b>	174.7500
										<b>Total Qty to Inspect (PO U/M):</b>	0.0000
										<b>Total Reject Quantity:</b>	0.0000
										<b>Total Receipt Value:</b>	\$2,284.24
										<b>Total Balance Due Quantity:</b>	30.0000

## Receiving Report

Date: 12/1/24

Batch No: M122504

Supplier: METIA PCASTUE

Dart P/O: 17464

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☐ No ☒  
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☐ No ☒ N/A ☐  
 QC6 Inspection: 14 ☒ 12/16/27 N/A ☐  
 Work Order: 1387265 N/A ☐

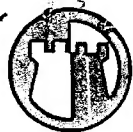
### Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M174PHHS-00R100		48	0	0	48	
A6101-00SP		60	30	0	30	

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 12/1/24  
 Date [Signature]  
 Received/Costing [Signature]  
 Initial [Signature]

Location \_\_\_\_\_

**Castle Metals®**

A. M. Castle &amp; Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1399396

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b>	<b>F.O.B.</b>	<b>Freight Terms</b>		<b>Carrier</b>		<b>BOL No</b>	
23-JUL-2012	ORIGIN	Prepaid		MANITOULIN		1399396-2	

<b>Shipment Details</b>	<b>Final Destination Branch - MON</b>
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Order No	Line No	Item No	Description				
2315506	1	15043	0.3750.RD.304/304L.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276				
Purchase Order No		Part Number		Ordered Qty		Invoice Qty	
17464				24.00 FT		24.0000 FT	
Details							
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
117796211	NORTH AMERICAN STAINLESS	B3B1		2		144.0000	9.0240

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date:

Name:



**NORTH AMERICAN  
STAINLESS**

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-1615  
(502) 347-6000

Certificate: 707699 15 Mail To:  
A.M. CASTLE AND COMPANY  
1420 KENSINGTON ROAD-SUITE 220  
OAK BROOK IL 60523

Ship To:  
A.M. CASTLE AND COMPANY  
3400 NORTH WOLF ROAD  
FRANKLIN PARK IL 60131

Date: 2/01/2012 Page: 1 Of 1  
Steel: 304/304L  
Finish: Cold Draw  
Dia/Thk: .3750 in  
Leg Length:  
Length: 144.00 in  
Corrosion: ASTM A262 Prac A/E OK

Customer: 0032 001

NAS Order: LN 79853 3

Your Order: 145984

Item Code: 15043

## PRODUCT DESCRIPTION:

ASTM A193/10a-ASME SA193/10 CL 1 GR B8 (EXC PAR 7.2)  
GRAIN SIZE= 4-6  
Round Bar, Annealed, Cold Draw  
UNS 30400/30403 EN 10204 3.1, ASTM A484/10  
ASTM A276/10, ASTM A479/10a, ASTM A182/10 CHEM ONLY,  
ASME SA479/10a, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F

## REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS BY DIRECTIVE 2002.95.  
EC RoHS, EAP+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA  
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE35763	2672									

## CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Heat	Supplier #	CM	C	CO	CR	CU	MN	MO	N	NI	P	S
B3B1		US	.018	.13	18.22	.35	1.34	.26	.056	8.62	.030	.0280
			SI									
			.31									

## MECHANICAL PROPERTIES

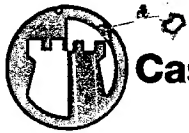
	1 d o i c F	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 2"
BE35763	R L	191.0	74.06	107.02	72.01	45.55

DA  
14  
89  
tecore

NAS hereby certifies that the analysis on this certification is correct and the material meets the specifications stated.

Technical Dept. Mgr.

ERIC NESS

**Castle Metals®**

A. M. Castle &amp; Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1399396

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 23-JUL-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid		<b>Carrier</b> MANITOULIN		<b>BOL No</b> 1399396-2	

<b>Shipment Details</b>	<b>Final Destination Branch - MON</b>
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Order No	Line No	Item No	Description				
2315506	3	4632	0.7500.RD.303.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582				
Purchase Order No		Part Number		Ordered Qty		Invoice Qty	
17464				108.00 FT		108.7500 FT	
Details							
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
117798871	NORTH AMERICAN STAINLESS	C5P9		9		145.0000	163.1250

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date:

Name:



# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 747299 04	Mail To: A.M. CASTLE AND COMPANY 1420 KENSINGTON ROAD-SUITE 220 OAK BROOK IL 60523	Ship To: A.M. CASTLE AND COMPANY 26800 MILES ROAD BEDFORD HEIGHTS OH 44146	Date: 6/20/2012 Page: 1 Of 1
Customer: 0032 005			Steel: 303
NAS Order: LN 83216 7			Finish: Cold Draw
Your Order: 162630	Item Code: 4632		Dia/Thk: .7500 in
			Leg Length:
			Length: 144.00 in
			Corrosion:

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
ASTM A582/05 EN 10204 3.1, ASTM A484/10  
AMS 5640U TYPE 1, QQS-764B CONDITION A  
SOLUTION ANNEAL TEMP 1900F MIN

## REMARKS:

COMPLIES W/REQUIREMENTS OF DFARS EU DIRECTIVE 2002.95.  
EC. RoHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG IN USA  
FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE62876	1074								

## CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
C5P9		US	.067	.14	17.42	.25	1.82	.41	.042	8.57	.032	.3595
SI %			CASTLE METALS - CLE									
			.47									

## MECHANICAL PROPERTIES

	1 d	HB	.2YS	UTS	RA	Elong	
	o i	No.	KSI	KSI	%	% 4D	
BE62876	R L	199.0	69.10	112.02	24.49	9.96	

12/02/27  
DAS  
14  
2-89

C5P9  
4632  
0480548  
162630  
6-21-12  
NAS  
KB

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical  
Dept. Mgr.

ERIC HESS

**Castle Metals®**

A. M. Castle &amp; Co.

PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:1399396

<b>Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 23-JUL-2012	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid		<b>Carrier</b> MANITOULIN		<b>BOL No</b> 1399396-2	

<b>Shipment Details</b>	<b>Final Destination Branch - MON</b>
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Order No	Line No	Item No	Description				
2315506	2	14828	1.0000.RD.304/304L STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A276				
Purchase Order No		Part Number		Ordered Qty		Invoice Qty	
17464				12.00 FT		12.0000 FT	
Details							
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
117793828	NORTH AMERICAN STAINLESS	C9J5		1		144.0000	32.0400

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Reviewed by Authorized Castle Metals Representative:

Date:

Name:



**NORTH AMERICAN  
STAINLESS**

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

Certificate: 752399 16 Mail To:  
A.M. CASTLE AND COMPANY  
1420 KENSINGTON ROAD-SUITE 220  
OAK BROOK IL 60523

Ship To:  
A.M. CASTLE AND COMPANY  
3400 NORTH WOLF ROAD  
FRANKLIN PARK IL 60131

Date: 7/10/2012 Page: 1 Of 1  
Steel: 304/304L  
Finish: Cold Draw  
Dia/Thk: 1.0000 in  
Leg Length:  
Length: 144.00 in  
Corrosion: ASTM A262-10 Prac A/E OK

Customer: 0032 001

NAS Order: LN 85132 7

Your Order: 175117

Item Code: 14828

## PRODUCT DESCRIPTION:

ASTM A193/10a-ASME SA193/10 CL 1 GR B8  
GRAIN SIZE= 4-6  
Round Bar, Annealed, Cold Draw  
UNS 30400/30403 EN 10204 3.1, ASTM A484/10  
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,  
ASME SA479/10a, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS QQS-763B, QQS-763F  
SOLUTION ANNEAL TEMP 1900F MIN

## REMARKS:

COMPLIES W/REQUIREMENTS OF DFAR 252.225-7014A-1 EU DIRECTIVE  
2002.95.EC.ROHS. EAF+AOD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BE71815 1338	BE71819 1728	BE71822 1175						

## CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
C9J5		US	.021	.16	18.13	.43	1.34	.38	.077	8.51	.034	.0260
			SI %									
			.35									

## MECHANICAL PROPERTIES

	l d o i c r	HB No.	.2YS KSI	UTS KSI	RA %	Elong % 4D
BE71815	R L	211.0	75.28	99.53	69.99	45.55
BE71819	R L	211.0	75.28	99.53	69.99	45.55
BE71822	R L	211.0	75.28	99.53	69.99	45.55

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical  
Dept. Mgr.

ERIC HESS



**Castle Metals®**

A. M. Castle &amp; Co.

## BORDEREAU DE MARCHANDISES

Page 1 of 2

No de Formulaire d'Emballage / Shipment No:1399396

<b>Expédié de / Ship From:</b> A. M. Castle & Co. (Canada) Inc. MONTREAL 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		<b>Vendu à / Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Expédié à / Ship To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		<b>Livré à / Deliver To:</b> WILL CALL-MONTREAL 835 SELKIRK AVENUE POINTE CLAIRE, QC H9R 3S2 CA	
<b>Date d'expédition / Date Shipped</b>	<b>F.O.B.</b>	<b>Modalités de transport / Freight Terms</b>		<b>Transporteur / Carrier</b>		<b>No du Bon de connaissance / BOL No</b>	
23-JUL-2012	ORIGIN	Prepaid		MANITOULIN		1399396-2	

<b>Détails d'expédition / Shipment Details</b>	<b>Destination finale / Final Destination Branch - MON</b>
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N° de commande / Order No		N° de ligne Line No	N° d'article / Item No	Description	
2268974		1	752241.MO	2.5000.PL.7075.T7351.ALUMINUM.USI.48.5000.144.5000 CUT 2SIDED TO 8.25 IN ( + .0310/- .0000 IN (GRAIN TO RUN ALONG 5")) X 5 IN ( + .0310/- .0000 IN (GRAIN TO RUN ALONG 5")) - ALUMINUM PLATE SAW SPECIFICATIONS: QQ-A-250/12	
N° de bon de commande / Purchase Order No		Nbre de pièces / Part Number		Qté commandée / Ordered Qty	Qté Facturée / Invoice Qty
WILL ADVISE 17464		YOUR ITEM NUMBER: D6101-005		30.00 PCS	30.00 PCS

<b>Détails / Details</b>		DO NOT SHIP - HOLD FOR RELEASE					
<b>N° de livraison / Delivery No :</b> 117753559	<b>Usine / Mill</b> KAISER ALUMINUM FABRICATED	<b>No de coulée / Heat Number</b> 489754a2	<b>Code méc / Mech Id</b>	<b>Pièces / PCS</b> 30	<b>Largeur (Pouce) / Width (IN)</b>	<b>Longueur (Pouce) / Length (IN)</b>	<b>Qté expédiée / Shipped Qty(LBS)</b> 319.9681

Ces marchandises/technologies sont sujettes aux règlements de l'Export Administration et du département d'état des Etats-Unis. Si elles ont été/sont exportées, elles doivent se conformer à ces règlements. Toute modification du contrat de transport contraire aux lois des États-Unis est interdite.

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

Nous certifions par la présente que le matériel couvert par cette certification est conforme aux spécifications susmentionnées et aux exigences applicables pour le matériel, y compris toute spécification faisant partie de la description. Les rapports d'essai sont archivés pour fins de consultation. Toute requête concernant du matériel défectueux sera rejetée à moins qu'elle ne soit faite par écrit à A. M. Castle & Co. dans les 60 jours suivant la livraison. Le matériel coupé sur mesure ou coupé par le client ne peut être retourné pour crédit.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description.

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

Date Printed: 23-JUL-2012 02:29:15 PM



**Castle Metals®**

A. M. Castle & Co.

**BORDEREAU DE MARCHANDISES**

Page 2 of 2

Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Ce matériel a été reçu et inspecté par

Reviewed by Authorized Castle Metals Representative:

Date:

Name:

**SHIP TO:**

A M CASTLE & CO  
3050 SOUTH HYDRAULIC  
WICHITA, KS 67216

**SOLD TO:**

AM CASTLE & CO- SOLD TO  
1420 KENSINGTON RD  
SUITE 220  
OAK BROOK, IL 60523

# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

**CERTIFIED TEST REPORT****Serial Number**

4254286

CUSTOMER PO NUMBER: 142608		WORK PACKAGE:	CUSTOMER PART NUMBER: 752237		SHIP RUN/LOAD: 102241/21	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1127129	LINE ITEM: 2	SHIP DATE: 13-FEB-2012	ALLOY: 7075	CLAD: BARE	TEMPER: T7351	PRODUCT DESCRIPTION: Sawed Plate
WEIGHT SHIPPED: 4276 LB	QUANTITY: 3 PCS EST.	B/L NUMBER: 2035760	GAUGE: 2.0000 IN		DIAMETER/WIDTH: 48.500 IN	LENGTH: 144.500 IN

MHU 1557443: LOT 743835A1: 1 pieces;

MHU 1560416: LOT 744549A7: 1 pieces;

MHU 1563058: LOT 744564A6: 1 pieces;

**Certified Specifications**

AMS 4078/RevJ  
ASTM B 209/Rev10  
BSS 7055/RevA  
DPS 4.713/RevAH  
MMS 159/RevR

AMS-QQ-A-250/12  
ASTM B 594/Rev09  
CMMP 025/RevU  
GAMPS 9101/RevB  
PS 21211/RevL

AMS-STD-2154/Rev98  
BAC 5439/RevH  
CSTI 006/RevD  
GSS16100/RevG/Amd1

**Test Code: 4297****Test Results**

Lot: 743835A1    Cast 445    Drop 42    Ingot 4    Parent Lot: 572825A8 Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	73.2 : 73.2 (505 : 505)	62.9 : 63.1 (434 : 435)	12.4 : 12.5

(ASTM E1004)

(EN 2004-1)

Conductivity %IACS :	40.8 Min	40.9 Max
(MS/M) :	23.7 Min	23.7 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.09	0.18	1.4	0.03	2.4	0.20	5.5	0.03	0.01	0.01	TOT 0.05

# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4254286

Lot: 744549A7 Cast 445 Drop 78 Ingot 2 Parent Lot: 744192A6 Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	73.5 : 74.0 (507 : 510)	62.3 : 62.9 (430 : 434)	12.5 : 12.8

(ASTM E1004)

(EN 2004-1)

Conductivity %IACS :	40.7 Min	40.9 Max
(MS/M) :	23.6 Min	23.7 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.07	0.16	1.4	0.03	2.5	0.20	5.8	0.03	0.01	0.01	TOT 0.05

Lot: 744564A6 Cast 449 Drop 08 Ingot 3 Parent Lot: 572890A2 Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	72.7 : 72.8 (501 : 502)	61.6 : 61.8 (425 : 426)	11.9 : 12.1

(ASTM E1004)

(EN 2004-1)

Conductivity %IACS :	40.6 Min	40.6 Max
(MS/M) :	23.5 Min	23.5 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual	0.10	0.23	1.5	0.05	2.5	0.20	5.7	0.02	0.01	0.01	TOT 0.06

### ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

### TEST NOTES

Metal represented by this test report was 100% immersion ultrasonically tested from one side and meets the Class A and Class B requirements of all specifications referenced on this test report.

# **KAISER ALUMINUM**

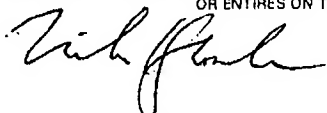
Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## **CERTIFIED TEST REPORT**

Serial Number  
4254286

### **CERTIFICATION**

KAISER ALUMINUM FABRICATED PRODUCTS, LLC (KAISER) HEREBY CERTIFIES THAT METAL SHIPPED UNDER THIS ORDER WAS MELTED IN THE UNITED STATES OF AMERICA OR A QUALIFYING COUNTRY PER DFARS 225.872-1(a), WAS MANUFACTURED IN THE UNITED STATES OF AMERICA, AND MEETS THE REQUIREMENTS OF DFARS 252.225 FOR DOMESTIC CONTENT. THIS MATERIAL HAS BEEN INSPECTED, TESTED, AND FOUND IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SPECIFICATIONS AS INDICATED HEREIN. ALL METAL WHICH IS SOLUTION HEAT TREATED COMPLIES WITH AMS 2772. ANY WARRANTY IS LIMITED TO THAT SHOWN ON KAISER'S STANDARD GENERAL TERMS AND CONDITIONS OF SALE. TEST REPORTS SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF KAISER ALUMINUM FABRICATED PRODUCTS, LLC LABORATORY. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTIRE ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. ISO-9001:2000 CERTIFIED.



**MIKE KLOCKE, LABORATORIES SUPERVISOR**



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO17464**

Purchase Order Date 7/17/12

PO Print Date 7/17/12

Page Number 1 of 2

Order From :

VC-MET001

METAUUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100  
TORONTO, ON M4Y 3A5  
CA

Contact Name

Vendor Phone

Vendor Fax

Vendor Account Nbr

514 694 9575

514 695 3281

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**FAXED**  
07/10/12

*email*

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304R0.375 <i>028</i>	304 ROUND BAR 0.375	7/27/12 Yes	<input checked="" type="checkbox"/> 24.00 f	Yours ppd	\$1.3900	\$33.36
<b>Special Inst:</b> MATERIAL: MATERIAL: 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE							
2	M304R1.000 <i>029</i>	304 round bar 1.00	7/27/12 Yes	<input checked="" type="checkbox"/> 12.00 f	Yours ppd	\$7.7200	\$92.64
<b>Specia. Inst:</b> MATERIAL: MATERIAL: 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE							
3	M303R0.750 <i>028</i>	303 Round Bar 0.750	7/27/12 Yes	108.00 f	Yours ppd	\$4.2600	\$460.08
<b>Special Inst:</b> MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE							

**MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY**

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required **YES** NO

Change Nbr: 1

Change Date: 7/17/12



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO17464**

Purchase Order Date 7/17/12

PO Print Date 7/17/12

Page Number 2 of 2

**Order From :**

VC-MET001

METAUX CASTLE  
A.M. CASTLE & CO. (CANADA) INC. - BOX B9204 PO BOX 9100  
TORONTO, ON M4Y 3A5  
CA

**Contact Name**

**Vendor Phone**

514 694 9575

**Vendor Fax**

514 695 3281

**Vendor Account Nbr**

**Buyer**

Chantal Lavoie

**Requisition Nbr**

**Tax Resale Nbr**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

Destination-Collect

4	M174PH-H900R1.000	17-4SS H900 ROUND BAR 1.00	7/27/12	48.00	Yours ppd	\$10.0700	\$483.36
			Yes		f		

**Special Inst:** MATERIAL: 17-4 PH COND. H900  
AS PER AMS 5643

NOTE:  
PLEASE SHIP MATERIAL TO METCOR  
INC.  
560 BOULV. ARTHUR SAUVE  
SAINT-EUSTACHE, QC  
J7R-5A8  
450-473-1884

5	D6101-005P	7075-T7351 8.25X5.0X2.5	7/27/12	60.00	Yours ppd	\$57.9500	\$3,477.00
	645		Yes	Each			

**Special Inst:** AS PER DWG D6101 REV. B  
B87265  
MATERIAL: 7075-T7351 AS PER QQ-A-  
250/12  
SIZE: 5.00" X 8.250" X 2.50" THICK  
GRAIN DIRECTION ALONG 5.00"  
LENGTH  
TOLERANCE ON ALL DIMENSION ARE  
+0.030"/-0.000'

MATERIAL CERTIFICATION  
REQ'D UPON DELIVERY

PO Total:

\$4,546.44

Change Nbr: 1

Change Date: 7/17/12

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required: YES NO

## Chantal Lavoie

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**From:** Desbiens, Marc <mdesbien@amcastle.com>  
**Sent:** July 16, 2012 10:21 AM  
**To:** Chantal Lavoie  
**Subject:** RE: quote

Hi Chantal,

price & delivery on material.

17-4 bar 1.5" x 2.250" x 12 ft \$ 96.27 Ft 2 weeks

17-4 ph h900 bar 3.937" x 4.750" x 8 ft to send out to metcor for heat treat Regret

17-4 ph h900 round bar 1" x 48 ft to send out to metcor for heat treat \$ 10.07 Ft 7-8 days

303 bar 1" x 1" x 12 ft November only

303 round bar .750" x 108 ft \$ 4.26 Ft 7-8 days

304 bar .500" x 1.250" x 24 ft \$ 9.86 Ft 7-8 days

304 round bar .375" x 24 ft \$ 1.39 Ft 7-8 days

304 round bar 1" x 12 ft \$ 7.72 Ft 7-8 days

Thanks

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